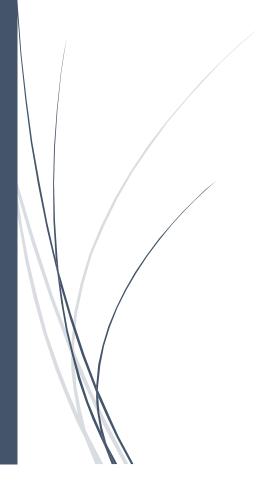
3/25/2021

Hands On Exercise

Chapter 5

Managing Group Policies

(Part1)



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IT 416 - SPRING 2021 - OLD DOMINION UNIVERSITY

Table 5-1 Activity requirements		
Activity	Requirements	Notes
Activity 5-1: Resetting Your Virtual Environment	ServerDC1, ServerDM1	
Activity 5-2 Working with GPO Inheritance Blocking and Enforcement	ServerDC1, ServerDM1	
Activity 5-3: Using GPO Security Filtering	ServerDC1, ServerDM1	
Activity 5-4: Using GPO Security Filtering for a Computer Account	ServerDC1, ServerDM1	
Activity 5-5: Configuring Loopback Policy Processing	ServerDC1, ServerDM1	
Activity 5-6: Using Remote Group Policy Updates	ServerDC1, ServerDM1	
Activity 5-7: Using Group Policy Results and Group Policy Modeling	ServerDC1, ServerDM1	
Activity 5-8: Backing Up and Restoring a GPO	ServerDC1	

Activity 5-1: Resetting Your Virtual Environment

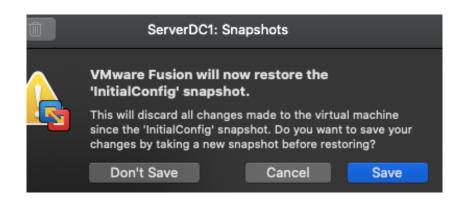
Time Required: 5 minutes

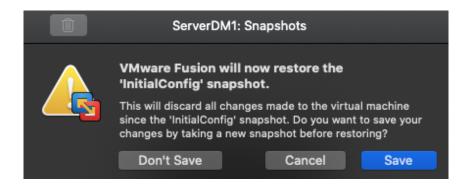
Objective: Reset your virtual environment by applying the InitialConfig checkpoint or snapshot.

Required Tools and Equipment: ServerDC1, ServerDM1

Description: Apply the InitialConfig checkpoint or snapshot to ServerDC1 and ServerDM1.

- Be sure the servers are shut down. In your virtualization program, apply the InitialConfig checkpoint or snapshot to ServerDC1 and ServerDM1.
- 2. When the snapshot or checkpoint has finished being applied, continue to the next activity.





Activity 5-2: Working with GPO Inheritance Blocking and Enforcement

Time Required: 20 minutes

Objective: Use the Block Inheritance option on an OU and the Enforcement option on a GPO.

Required Tools and Equipment: ServerDC1, ServerDM1

Description: In this activity, you configure a policy to prohibit access to Control Panel. Then you block inheritance to see that the policy doesn't affect objects below where inheritance blocking is enabled. Then, you configure the enforcement option on the GPO to see that GPO enforcement option overrides the block inheritance option.

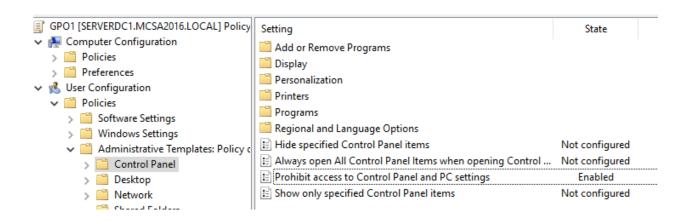
- 1. Sign in to ServerDC1 as Administrator, and open the Group Policy Management console.
- Create a GPO named GPO1 in the Group Policy Objects folder. Open GPO1 in the Group Policy Management Editor (GPME).
- Navigate to User Configuration\Policies\Administrative Templates\Control Panel. In the right pane, double-click the Prohibit access to Control Panel and PC settings policy. Click Enabled to enable the policy. Read the Help information so that you know what the policy does. Click OK. Close GPME.
- Link GPO1 to the domain by right-clicking MCSA2016.local and clicking Link an Existing GPO. Click GPO1 and click OK.
- Open Active Directory Users and Computers. Right-click MCSA2016.local, point to New, and click Organizational Unit. Type TestOU1 and click OK.
- Click the Users folder and then drag and drop domuser1 to TestOU1. Click Yes to confirm. Close Active Directory Users and Computers.

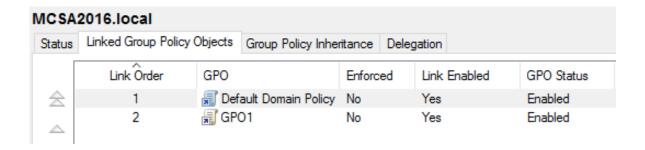
On ServerDM1, sign in as domuser1. Right-click Start and click Control Panel. You should see a message
that the operation has been canceled due to restrictions (see Figure 5-9). Click OK. As you can see, domuser1
is restricted from using Control Panel. Sign out of ServerDM1.

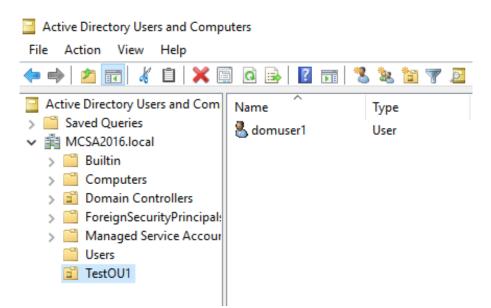


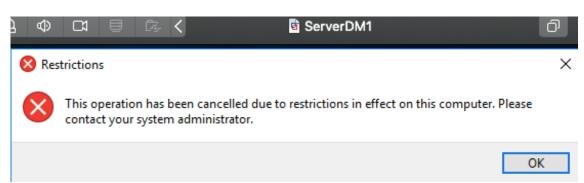
Figure 5-9 The message indicating the Control Panel is restricted

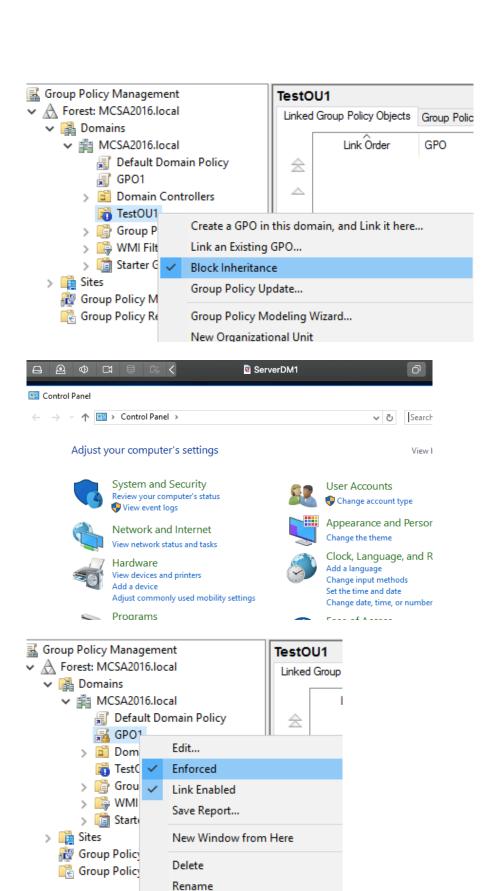
- On ServerDC1, in Group Policy Management, right-click TestOU1 and click Block Inheritance. You see a
 blue circle with a white exclamation point indicating that inheritance is blocked. Now users in TestOU1 aren't
 affected by GPOs linked to the domain.
- On ServerDM1, sign in again as domuser1. Right-click Start and click Control Panel. Control Panel opens normally because the policy setting in GPO1 is being blocked. Sign out of ServerDM1.
- 10. On ServerDC1 in Group Policy Management, right-click GPO1 under the domain node and click Enforced.
- 11. Sign in to ServerDM1 as domuser1. Right-click Start and click Control Panel. You should see the message that the operation has been canceled due to restrictions. Click OK. As you can see, domuser1 is once again restricted from using the Control Panel because enforcement overrides block inheritance. Sign out of ServerDM1.
- On ServerDC1, right-click GPO1 under the domain node and click to uncheck Enforced. Right-click TestOU1
 and click to uncheck Block Inheritance.
- Continue to the next activity.





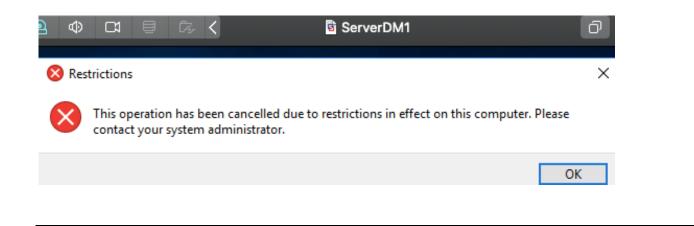






Refresh

Help



Activity 5-3: Using GPO Security Filtering

Time Required: 15 minutes

Objective: Change the default security filtering on a GPO and examine the results.

Required Tools and Equipment: ServerDC1, ServerDM1

Description: In this activity, you use GPO filtering to change the default inheritance behavior of GPO processing.

- On ServerDC1, in the Group Policy Management console, click to expand the Group Policy Objects folder, and then click GPO1. In the right pane, click the Scope tab, if necessary.
- In the Security Filtering dialog box in the right pane, click the Add button. Type domuser2, click Check Names, and then click OK.
- Click the Delegation tab. Click Advanced. In the top pane of the GPO1 Security Settings dialog box, click Authenticated Users. In the bottom pane, scroll down and click to clear Apply group policy (see Figure 5-10). Click OK.

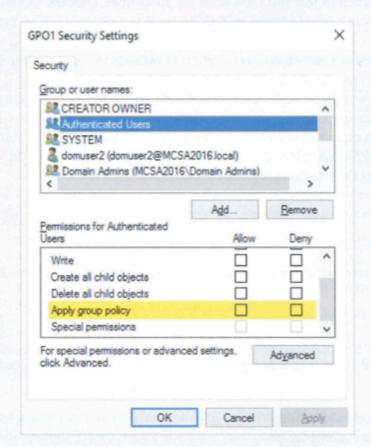


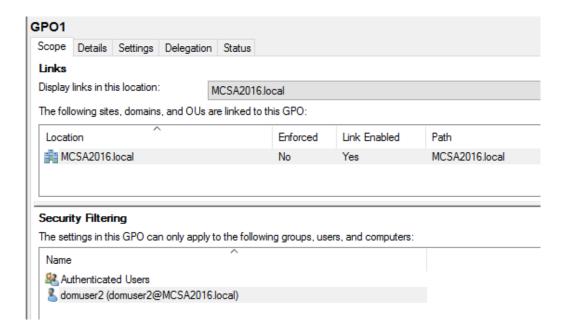
Figure 5-10 Setting GPO security

 Click the Scope tab again. Now domuser2 is the only security principal with Read and Apply Group Policy permissions for GPO1.

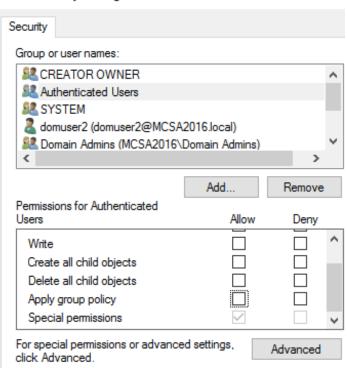


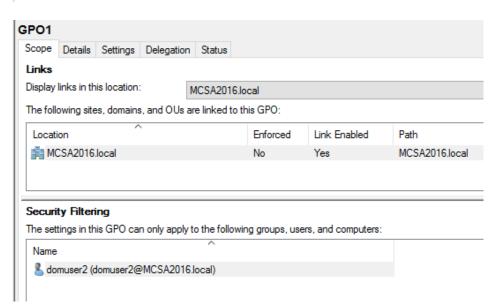
Authenticated Users must have the Read permission in order for other users to access a GPO. This is unexpected but a known issue.

- 5. GPO1 is still linked to the domain object, so there's no need to link it to a container. On ServerDM1, sign in as domuser1. Right-click Start and click Control Panel. Control Panel opens normally because only domuser2 has permission to read the GPO1 Group Policy object that restricts access to Control Panel.
- 6. Sign off ServerDM1 and sign in as domuser2. Right-click Start and click Control Panel. You should see the message that the operation has been canceled due to restrictions because domuser2 has permission to read the GPO that restricts access to Control Panel. Sign out of ServerDM1.
- On ServerDC1, click to select GPO1, if necessary, and click the Scope tab, if necessary. Click Add, type Authenticated Users, and click Check Names. Click OK. Click domuser2, click Remove, and click OK.
- 8. Right-click GPO1 under the domain node and click Delete to unlink it.
- 9. Continue to the next activity.



GPO1 Security Settings





C:\Users\domuser1>gpupdate Updating policy... Computer Policy update has completed successfully. User Policy update has completed successfully.





